WHAT IS CLAIMED IS:

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1. An image forming apparatus comprising:

a first unit having a developer container holding developer containing toner and carrier, and a developer holder to hold and transfer the developer held in the developer container;

a second unit to supply toner to the developer container; and

a processing unit to determine time of

replacement of the first unit, from information on a

toner supply amount from the second unit or information

on an operation amount of the developer holder.

- 2. The image forming apparatus according to claim 1, wherein the processing unit determines a use amount of the carrier based on the information on the toner supply amount or the information on the operation amount of the developer holder, and based on the result of determination, determines that it is time to replace the first unit.
 - 3. The image forming apparatus according to claim 1, removably comprising the first unit and the second unit.
- 25 4. The image forming apparatus according to claim 1, wherein the first unit is a process cartridge further including an electrostatic drum and a charging roller.

- 5. The image forming apparatus according to claim 1, wherein the second unit has a toner supply member to supply the toner to the developer container,
- and wherein said information on the toner supply amount includes an operation amount of the toner supply member.
- 6. The image forming apparatus according to claim 5,wherein the toner supply member is a toner supply screw,

and wherein the processing unit calculates the operation amount of the toner supply member from the number of revolutions or period of rotation of the screw.

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- 7. The image forming apparatus according to claim 1, wherein the first unit further has a toner density sensor to detect a toner density in the developer container.
- and wherein the processing unit performs toner supply from the second unit in correspondence with the toner density detected by the toner density sensor, and calculates the information on the toner supply amount from a detection value from the toner density sensor.

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8. The image forming apparatus according to claim 2, wherein the developer container further has a stirring member to stir the developer,

and wherein the processing unit calculates the

5 use amount of the carrier from the number of
revolutions or period of rotation of the stirring
member.

9. The image forming apparatus according to claim 1,
10 wherein the first unit has a storage medium for storing the information on the toner supply amount or the information on the operation amount of the developer holder, and further has a data transmission/reception device for the storage medium.

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10. A developing unit attachable/detachable to/from an image forming apparatus, comprising:

a developer container holding developer containing toner and carrier;

a developer holder to hold and transfer the developer held in the developer container; and

a storage medium having an area for storing information on a toner supply amount to the developer container, and an area for storing information on an operation amount of the developer holder.

- 11. The developing unit according to claim 10, wherein the information on the toner supply amount or the information on the operation amount of the developer holder is information indicating a use amount of the carrier.
- 12. The developing unit according to claim 10, wherein the storage medium further has a storage area for storing threshold information of the toner supply amount or threshold information of the operation amount of the developer holder.
- 13. The developing unit according to claim 12, wherein the threshold information of the toner supply amount or the threshold information of the operation amount of the developer holder is information indicating expiration of life of the carrier.
- 14. The developing unit according to claim 10, wherein 20 the developing unit is a process cartridge further including an electrostatic drum and a charging roller.
 - 15. A storage medium installed in a developing unit attachable/detachable to/from an image forming apparatus,

wherein the developing unit has:

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a developer container holding developer containing toner and carrier; and

a developer holder to hold and transfer the developer held in the developer container,

and wherein the storage medium has:

a storage area for storing information on a toner supply amount to the developer container; and

a storage area for storing information on an operation amount of the developer holder.

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- 16. The storage medium according to claim 15, wherein the information on the toner supply amount or the information on the operation amount of the developer holder is information indicating a use amount of the carrier.
- 17. The storage medium according to claim 15, further having a storage area for storing threshold information of the toner supply amount or threshold information of the operation amount of the developer holder.
- 18. The storage medium according to claim 17, wherein the threshold information of the toner supply amount or the threshold information of the operation amount of the developer holder is information indicating expiration of life of the carrier.